

WHAT IS CLAIMED IS:

1. A digital magnetic recording/reproducing apparatus for recording and reproducing digital information comprising:

a Viterbi decoder which decodes a signal sequence obtained by partial response equalization and produces n candidates of a decoded result, the n candidates being a best candidate to an n th best candidate and being produced simultaneously by the Viterbi decoder; and

a selector which detects errors in the n candidates, and selects a candidate having no detected errors from the n candidates as a correct decoded result.